



Refrigerator user manual



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Free Standing Appliance



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Safety information

SAFETY INFORMATION

- Before operating the appliance, please read this manual thoroughly and retain it in a safe place near the appliance for your future reference.
- Use this appliance only for its intended purpose as described in this instruction manual.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use

of the appliance by a person responsible for their safety.











- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.

Important safety symbols and precautions:

	Hazards or unsafe practices that may result in severe personal injury or death.
	Hazards or unsafe practices that may result in minor personal injury or property damage.
	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Note.

These warning signs are here to prevent injury to you and others.

Please follow them carefully.

After reading this section, keep it in a safe place for future reference.

CE Notice

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), the Electromagnetic Compatibility Directive (2004/108/EC), RoHS Directive (2011/65/EU), Commission Delegated Regulation (EU) No 1060/2010 and the Eco-Design Directive (2009/125/EC) implemented by Regulation (EC) No 643/2009 of the European Union. (For products sold in European Countries only)



SEVERE WARNING SIGNS FOR TRANSPORTATION AND SITE



- When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- R-600a or R-134a is used as a refrigerant.
Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator.
- When this product contains flammable gas (Refrigerant R-600a),
 - Refrigerant leaking from the pipe work could ignite or cause an eye injury.
If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
 - In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs,

the size of the room in which the appliance may be sited depends on the amount of refrigerant used.

- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.

The room where the refrigerator will be sited must be 1 m³ in size for every 8 g of R-600a refrigerant inside the appliance.

The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.

- Refrigerant squirting out of the pipes could ignite or cause an eye injury.

When refrigerant leaks from the pipe, avoid any naked flames and move anything flammable away from the product and ventilate the room immediately.

- Failing to do so may result in fire or explosion.
- If the appliance contains isobutane refrigerant (R-600a), a natural gas with high environmental compatibility that is, however, also combustible.

When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.



SEVERE WARNING SIGNS FOR INSTALLATION



- Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
- Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Keep the packing materials out of reach of children.
- There is a risk of death from suffocation if children put them on their head.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliances.
- Do not plug several appliances into the same multiple power board.

The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matched the rating plate.

- This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
If the wall socket is loose, do not insert the power plug.
- There is a risk of electric shock or fire.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Do not bend the power cord excessively or place heavy articles on it.
- Do not use aerosols near the refrigerator.
- Aerosols used near the refrigerator may cause an explosion or fire.
- Do not install this appliance in a location where gas may leak.
- This may result in an electric shock or fire.

 • The installation or any

service of this appliance is recommended by a qualified technician or service company.

- Failing to do so may result in an electric shock, fire, explosion, problems with the product, or injury.
- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Connect the power plug in the proper position with the cord hanging down.
- If you connect the power plug upside down, the wire can get cut off and cause fire or an electric shock.
- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- This constitutes a fire hazard.
- The appliance must be positioned so that the plug is accessible after installation.



• The refrigerator must be grounded.

- You must ground the

refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.

- Never use gas pipes, telephone lines or other potential lightening rods as ground.
- Improper use of the ground plug can result in an electric shock.

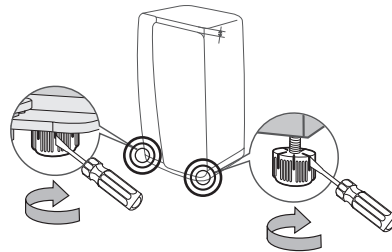
- ☑ • If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.
- The fuse on the refrigerator must be changed by a qualified technician or service company.
- Failing to do so may result in an electric shock or personal injury.



CAUTION SIGNS FOR INSTALLATION




- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Allow the appliance to stand for 2 hours before loading foods after installation and turning on.



- When installing the refrigerator, make sure both legs contact the floor for secure installation. Legs are located at the bottom back of each door. Insert a flathead screwdriver and turn it in the direction of the arrow until it is level.
- Always balance the load on each door.
- Overload on any one door may fell the refrigerator, causing physical injury.



SEVERE WARNING SIGNS FOR USING

-  • Do not touch the power plug with wet hands.
 - This may result in an electric shock.
 - Do not store items on top of the appliance.
 - When you open or close the door, items may fall and cause a personal injury and/or material damage.
 - Do not put items filled with water on the refrigerator.
 - If spilled, there is a risk of fire or electric shock.
 - Keep fingers out of “pinch point” areas : clearances between the doors and cabinet are necessarily small. Be careful when you open the doors when children are in the area.
 - Do not let children hang on the door. If not, a serious injury may occur.
 - There is a Risk of children entrapment. Do not let children enter inside the refrigerator.
 - Do not allow babies or children to go inside the drawers.
- It can cause death from suffocation by entrapment or personal injury.
 - Do not sit on the Freezer door.
 - The door can be broken and cause personal injury.
 - When remove the divider from the drawer to clean or other reason, should reassemble the divider with provided screws to prevent children trapped.
 - Never put fingers or other objects into the dispenser hole.
 - Failure to do so may cause personal injury or material damage.
 - Do not store volatile or flammable substances such as benzene, thinner, alcohol, ether or LP gas in the refrigerator.
 - The storage of any of such products may cause an explosion.
 - Do not store low temperature-sensitive pharmaceutical products, scientific materials or other low temperature-sensitive products in the refrigerator.

- Products that require strict temperature controls must not be stored in the refrigerator.
 - Do not place or use electrical appliances inside the refrigerator, unless they are of a type recommended by the manufacturer.
 - Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odours.
 - This may result in an electric shock or fire.
 - Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
 - This may cause frostbite.
 - Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
 - Do not damage the refrigerant circuit.
-
- ☑ • This product is intended only for the storage of food in a domestic environment.
-
- Bottles should be stored tightly together so that they do not fall out.
 - In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.
 - Do not insert hands, feet or metal objects (such as chopsticks, etc.) into the bottom or the back of the refrigerator.
 - This may result in an electric shock or injury.
 - Any sharp edges may cause a personal injury.
 - Do not use a ventilating fan.
 - A spark may result in an explosion or fire.
 - Use only the LED Lamps provided by manufacturer or service agent.
 - Children should be supervised to ensure that they do not play with and/or climb into the appliance.
-
- ☒ • Do not disassemble or repair the refrigerator by yourself.
 - You run a risk of causing

a fire, malfunction and/ or personal injury.
In case of malfunction, please contact your service agent.



- If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service centre.
- Failing to do so may result in an electric shock or fire hazards.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- If you experience difficulty when changing the light, contact service agent.
- If the products is equipped with LED Lamps, do not disassemble the Lamp Cover and LED Lamps by yourself.
- Please contact your service agent.
- If any dust or water is in the refrigerator, pull out power plug and contact your Samsung Electronics service

centre.

- There is a risk of fire.



CAUTION SIGNS FOR USING



- Do not modify the refrigerator. Unauthorized modifications can cause safety problems.
To reverse an unauthorized modification, we will charge the full cost of parts and labor.
- To get best performance from the product,
- Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
- Wrap the food up properly or place it in airtight containers before putting it into the refrigerator.
- Do not put any newly introduced food for freezing near to already existing food.
- Do not place carbonated or fizzy drinks in the freezer

compartment.

Do not put bottles or glass containers in the freezer.

- When the contents freeze, the glass may break and cause personal injury and property damage.
- Do not change or modify the functionality of the refrigerator.
- Changes or modifications may result in a personal injury and/or property damage. Any changes or modifications performed by a 3rd party on this completed appliance are neither covered under Samsung warranty service, nor is Samsung responsible for safety issues and damages that result from 3rd party modifications.
- Do not block air holes.
- If the air holes are blocked, especially with a plastic bag, the refrigerator can be over cooled. If this cooling period lasts too long, the water filter may break and cause water leakage.
- Do not put any newly introduced food for freezing near to already existing food.

- Please observe maximum storage times and expiry dates of frozen goods.
- Do not spray volatile material such as insecticide onto the surface of the appliance.
- As well as being harmful to humans, it may also result in an electric shock, fire or problems with the product.
- Do not apply strong shock or excessive force onto the surface of glass.
- Broken glass may result in a personal injury and/or property damage.
- Wipe excess moisture from the inside and leave the doors open.
- Otherwise, odor and mold may develop.
- When the refrigerator got wet by water, pull out the power plug and contact your Samsung Electronics service center.



CAUTION SIGNS FOR CLEANING AND MAINTENANCE



- Do not directly spray water inside or outside the refrigerator.
- There is a risk of fire or electric shock.
- Do not use or place any substances sensitive to temperature such as inflammable sprays, inflammable objects, dry ice, medicine, or chemicals near the refrigerator.

Do not keep volatile or inflammable objects or substances (benzene, thinner, propane gas, etc.) in the refrigerator.

- This refrigerator is for storing food only.
- This may result in a fire or an explosion.
- Do not spray cleaning products directly on the display.
- Printed letters on the display may come off.
- Remove any foreign matter or dust from the power plug pins.

But do not use a wet or

damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins.

- Otherwise there is a risk of fire or electric shock.
- Never put fingers or other objects into the dispenser hole and ice chute.
- It may cause a personal injury or material damage.
- Clean the unreachable parts such as hinges by using a brush or toothbrush.



- Unplug the refrigerator before cleaning and performing maintenance.
- If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service centre.
- Failing to do so may result in an electric shock or fire.
- Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord or loose wall socket.
- This may result in an electric shock or fire.



SEVERE WARNING SIGNS FOR DISPOSAL



- Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.

- R-600a or R-134a is used as a refrigerant.

Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator.

When this product contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.

Cyclopentane is used as an insulation blowing gas.

The gases in insulation material require special disposal procedure.

Please contact your local authorities in regard to the environmentally safe disposal of this product.

Ensure that none of the pipes on the back of the appliances are damaged prior to disposal.

The pipes shall be broken in

the open space.

- It is hazardous for anyone other than an Authorised Service Person to service this appliance. In Queensland – the authorized Service Person MUST hold a Gas Work Authorisation or Licence for hydrocarbon refrigerants, to carry out Servicing or repairs which involve the removal of covers. (For Australia only)

- When disposing of this product or other refrigerators, remove the door/door seals, door latch so that small children or animals cannot become trapped inside. Leave the shelves in place so that children may not easily climb inside.

Children should be supervised to ensure that they do not play with the old appliance.

- Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over its head, it may result in suffocation.

- Please dispose of the

packaging material for this product in an environmentally friendly manner.



ADDITIONAL TIPS FOR PROPER USAGE

- In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.
- Most power failures that are corrected within an hour or two will not affect your refrigerator temperatures. However, you should minimise the number of door openings while the power is off.
- Should the power failure last more than 24 hours, remove all frozen food.
- If keys are provided with the refrigerator, the keys should be kept out of the reach of children and not be in the vicinity of the appliance.
- The appliance might not operate consistently (possibility of temperature becoming too warm in the refrigerator) when sited for an extended period of time below the cold end of the range of temperature for which the refrigerating appliance is designed.
- In case of particular foods, keeping it under refrigeration can have a bad effect on preservation due to its properties.
- Your appliance is frost free, which means there is no need to manually defrost your appliance, as this will be carried out automatically.
- Temperature rise during defrosting can comply with ISO requirements. But if you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food up in several layers of newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.
- When you use this function the energy consumption of the refrigerator will increase. Remember to turn it off when

you don't need it and return the freezer to your original temperature setting.

If you need to freeze large amount of food stuff, activate Power Freeze function at least 24 hours before.

Saving Energy Tips

- Install the appliance in a cool, dry room with adequate ventilation.
Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).
- Not to block any vents and grilles is recommended for energy efficiency.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw.
You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Do not keep the door of the appliance open for too long when putting food in or taking food out.

The shorter time for which the door is open, the less ice will form in the freezer.

- Clean the rear of the refrigerator regularly.
Dust increases energy consumption.
- Do not set temperature colder than necessary.
- Ensure sufficient air flow at the refrigerator base and at the back wall of the refrigerator.
Do not cover air vent openings.
- It is recommended to install the refrigerator with clearance to the back and sides.
This will help reduce power consumption and keep your energy bills lower.
- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.

This appliance is intended to be used in household and similar applications such as

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

Setting up your refrigerator

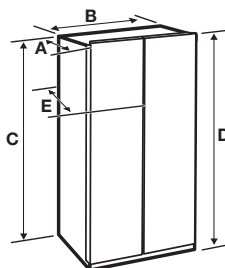
GETTING READY TO INSTALL THE REFRIGERATOR

Congratulations on your purchase of the Samsung refrigerator.

We hope you enjoy the state-of-art features and efficiencies that this new appliance offers.

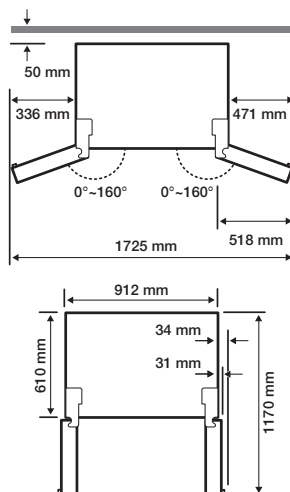
Selecting the best location for the Refrigerator

- Select a location with easy access to a water supply.
- Select a location without direct exposure to sunlight.
- Select a location with level (or nearly level) flooring.
- Select a location with enough space for the refrigerator doors to open easily.
- Select a location that allows sufficient space to the right, left, back, and top for air circulation.
- Select a location that allows you to move the refrigerator easily if it needs maintenance or service.
- Do not install the refrigerator in locations where the temperature is over 43 °C or below 5 °C.



Depth "A"	718 mm
Width "B"	912 mm
Height "C"	1742 mm
Overall Height "D"	1774 mm
Depth "E"	721 mm

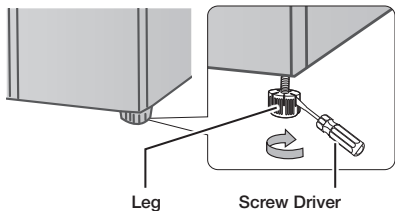
SETTING UP



Each measurement based on the design dimension, so it may differ depending on the measuring method.

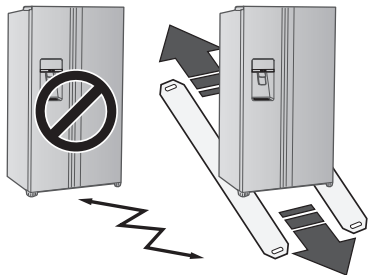
When moving your refrigerator

To prevent floor damage, be sure the front leveling legs are in the up position (above the floor). Refer to "How to level the refrigerator" in the manual on page 24.



Flooring

For proper installation, you must place this refrigerator on a level, hard surface that is the same height as the rest of the floor. This surface should be strong enough to support a fully loaded refrigerator. To protect the finish of the flooring, cut a large section of the cardboard carton and place it under the refrigerator where you are working. When moving the refrigerator, you need to pull and push it straight forwards or back. Do not wiggle it from side to side.



Required Tools (Not provided)

Philips screwdriver (+)	Flat-blade screw driver (-)	Socket wrench 10 mm
Allen wrench 5 mm		

SETTING UP THE REFRIGERATOR

Now that you have your new Refrigerator installed in place, you are ready to set up and enjoy the features and functions of the appliance. By completing the following steps, your Refrigerator should be fully operational. If not, first check the power supply and electricity source or try the troubleshooting section at the back of this user's guide. If you have any further questions, contact your Samsung Electronics service centre.

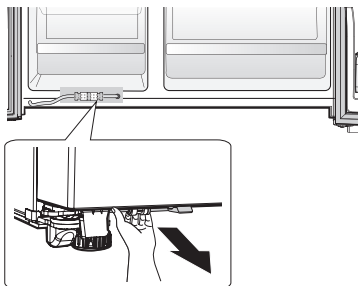
1. Place the Refrigerator in an appropriate location with reasonable clearance between the wall and the Refrigerator. Refer to installation instructions in this manual.
2. Once the Refrigerator is plugged in, make sure the interior light comes on when you open the doors.
3. Set the Temperature control to the coldest temperature and wait for an hour. The Freezer will get slightly chilled and the motor will run smoothly.
4. After powering the Refrigerator, it will take a few hours to reach the appropriate temperature. You can store food and drinks in the Refrigerator after the temperature is sufficiently cool.
5. Once installation is complete, press the dispenser lever to check if the water or the ice is properly dispensed.
6. Make sure the front side of the refrigerator is 0.6 degree higher than its rear side.

SETTING UP THE REFRIGERATOR DOORS

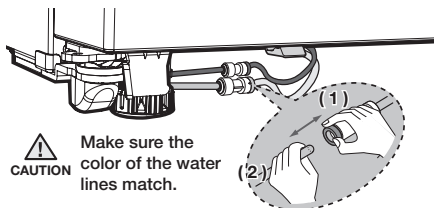
If your entrance won't allow the refrigerator to pass easily through it, you can remove the doors.

Separating the water supply line from the refrigerator

1. Pull the two water lines (which are in the Fixer) out to the front.



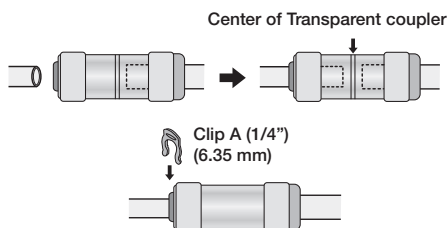
2. Remove two water lines (White one is for water and the other one is for ice) by pressing the coupler (1) and pulling the water line (2) away.



CAUTION When reconnecting the supply hoses, make sure the same colored hoses are inserted with each other.

Reattaching the Water Supply Line

1. The Water Line must be fully Inserted to the centre of transparent coupler to prevent water leakage from the dispenser.
2. Insert the 2 clips in the install pack and check that each clip holds the line firmly.

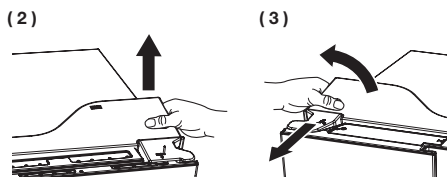
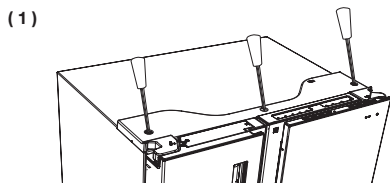


Do not cut the water line.
Gently separate it from the coupler.

CAUTION Keep the clips out of the reach of children and make sure that children do not play with them or put them into their mouths.

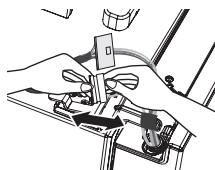
DISASSEMBLE THE FREEZER DOOR

1. Disconnect the power cord, and Remove 3 cover screws using a Phillips screwdriver (**1**).
Then open the refrigerator door and pull the hooks on the sides to loosen the cover (2).
Lift up the cover and towards you to detach it (3).
- Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.

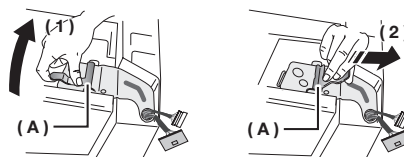


The upper hinge cover is either integrated or separate depending on the model.

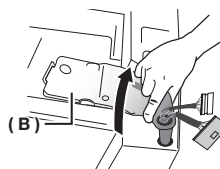
2. Remove the hinge cover and then disconnect the electrical wire connector.



3. Flip the clamp (**A**) up in direction (**1**) and then pull it off in direction (**2**).



4. Remove the hinge (**B**).



5. Lift up the door and detach it from the refrigerator.



- Be careful not to damage the electrical wires when assembling or disassembling the doors.
- Make sure the doors do not fall over and become damaged while they are detached from the refrigerator.

RE-ATTACHING THE FREEZER DOOR

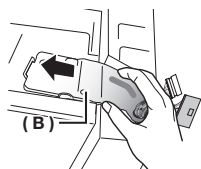


- Be sure to re-attach the Freezer Door before re-attaching the Fridge Door.
- Before re-attaching, make sure that all the wire connectors at the bottom of the Freezer Door are connected.

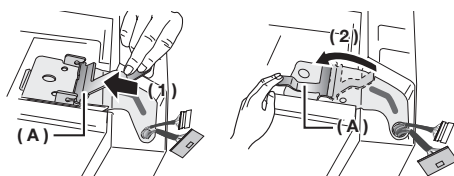
1. Attach the doors to the hinges at the bottom of the refrigerator.



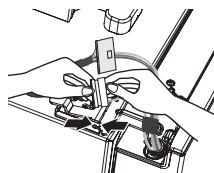
2. Insert the hinge (B) into the hinge slot on the refrigerator and then press down over the hinge hole on the door.



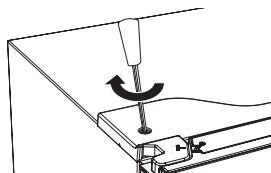
3. Insert the clamp (A) in the direction of arrow (1) and then lower it in the direction of arrow (2) to lock it in place.



4. Hook up the electrical wire connector.



5. At the first, Insert 2 hooks on inner side of COVER part to top hinge, push down on both side parts of the cover, and then secure the cover in place using a Phillips screwdriver.

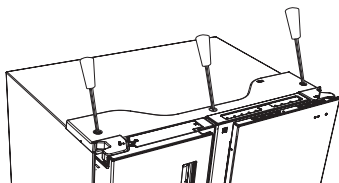


- The doors can be assembled in the reverse order of their disassembly.
- The display may not function properly if you neglect to connect the electrical wires while assembling the door.

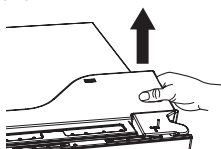
DISASSEMBLE THE SHOW CASE OF FRIDGE DOOR

1. Disconnect the power cord, and Remove 3 cover screws using a Phillips screwdriver (1).
Then open the refrigerator door and pull the hooks on the sides to loosen the cover (2).
Lift up the cover and towards you to detach it (3).
 - Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.

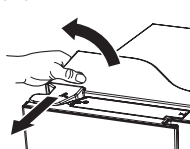
(1)



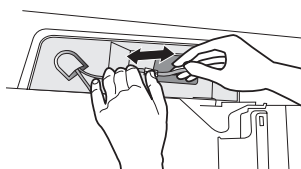
(2)



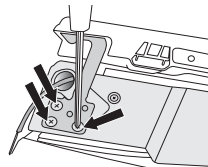
(3)



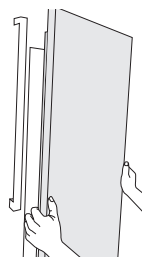
2. Disassemble the housing connector.



3. Disassemble the three fastening screws on the top hinge of the show case.

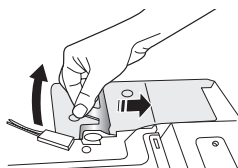


4. Disassemble the show case.

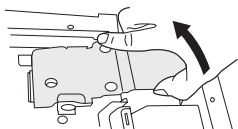


DISASSEMBLE THE FRIDGE DOOR

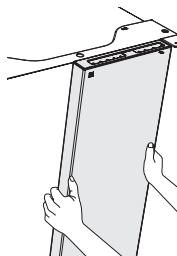
1. Push the fixer hinge up, and pull it forward to remove it.



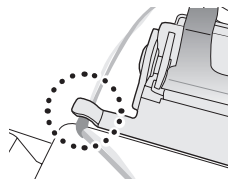
2. Disassemble the top hinge from the front of the door.



3. Disassemble the Fridge Door.



Fix the wire on the Hinge Hook to prevent the damage on the wire when reassembling.



RE-ATTACHING FRIDGE DOOR

To reattach the REFRIGERATOR doors, assemble parts in reverse order.

LEVELING THE REFRIGERATOR AND ADJUSTING HEIGHT AND GAP OF THE DOORS

How to level the refrigerator

To ensure your refrigerator is stable, install it on a flat, level surface and level it according to the instructions in this section.

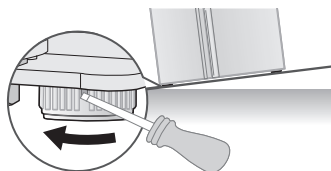


Failure to level the refrigerator may result in the refrigerator tipping over and causing personal injury.

- If the front of the refrigerator is slightly higher than the rear, the doors can be opened and closed more easily.
- When you install the refrigerator, make sure the adjustable legs touch the floor. The adjustable legs are located just behind the doors on the bottom front right and left corners of the refrigerator.
- Do not put the food on only one side when store the food. If put it on only one side, it is able to occur the conduction and injury.

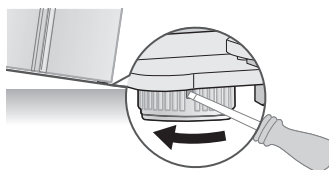
If the freezer side is lower:

- Insert a flathead screwdriver into the height leveler located at the bottom back of the freezer door and turn it in the direction of the arrow until it is level.



If the refrigerator side is lower:

- Insert a flathead screwdriver into the height leveler located at the bottom back of the refrigerator door and turn in the direction of the arrow until it is level.

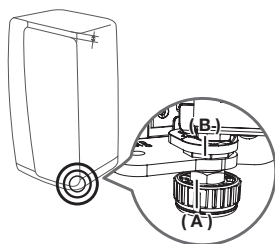


- Raise the front of the refrigerator so that the doors close by themselves. Adjusting the levelers so that the back of the refrigerator is much higher than the front of the refrigerator can make it difficult to open the doors.
- If the back of the refrigerator is not level, support the bottom with an appropriately sized object and secure the object in place using tape. Slide the refrigerator into its spot and then adjust the level.
- When pushing the refrigerator in, be careful not to damage the floor.

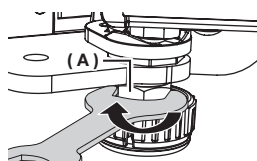
HOW TO ADJUST THE DOOR HEIGHT

If refrigerator door is lower than the other:

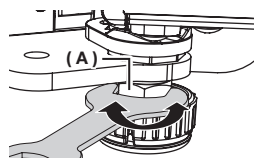
- The door height levels can be adjusted using the adjustment nut located at the bottom of refrigerator door.
- Raising the door too high can cause the door to interfere with the hinge cover when it is opened or closed.



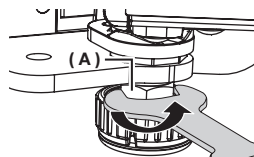
1. Open the door that needs to be adjusted and loosen the clamping nut (A) at the bottom of the door by turning it in the clockwise direction (↻) using the spanner included in the product package.



2. Adjust the height of the door by turning the adjustment nut (B) in the counterclockwise direction (↺) with a spanner. (Turn it in the counterclockwise direction (↺) to increase the height of the door and in the clockwise direction (↻) to decrease it.)
- Open the door and adjust it from the inside.



3. Once the doors are level, turn the clamping nut (A) in the counterclockwise direction (↺) to tighten it.



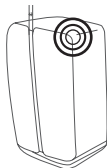
Adjusting the level when the refrigerator is empty can result in the refrigerator becoming uneven again once items have been placed inside. If this occurs, adjust the level again.

HOW TO ADJUST THE DOOR GAP

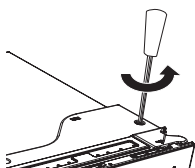
If the gap between the refrigerator door and the freezer door is uneven:

- Use the gap adjuster located at the top of the refrigerator door (right side).
- Excessive force can cause the adjuster bolt to break.

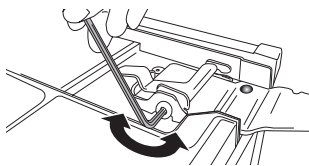
1. Remove the refrigerator door's hinge cover.
 - Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.



2. Adjust the gap using a 4 mm Allen wrench (not included).



3. Rotate the bolt in the clockwise direction (↻) to widen the gap. Rotate it in the counterclockwise direction (↺) to narrow the gap. Adjust until the gap between the refrigerator door and the freezer door appears even.

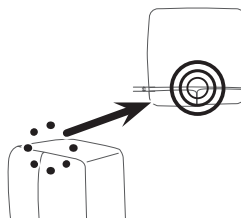


When arranging the cables, take caution not to tear or peel off the cable coating.

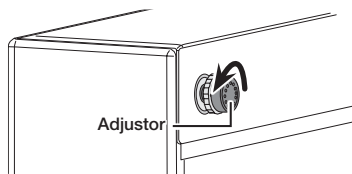
HOW TO ADJUST THE REFRIGERATOR DOOR GAP (BACK)

If the gap between the refrigerator door and the refrigerator is uneven:

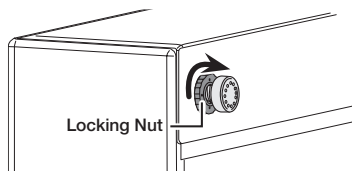
- Use the adjusters located at the top edge inside each door.



1. Open the door where the gap with the refrigerator is narrower and then turn the adjuster in the counterclockwise direction (↺) until the gap is even.



2. Once the gap between the door and the refrigerator has been adjusted, turn the adjustor nut in the clockwise direction (↻) to lock the adjustor in place.



CHECKING THE WATER DISPENSER LINE

A water dispenser is one of the helpful features on your new Samsung Refrigerator.

To help promote better health, the Samsung water filter removes unwanted particles from your water. However, it does not sterilize or destroy microorganisms.

You may need to purchase a water purifying system to do that.

In order for the ice maker to operate properly, a water pressure of 20~125 psi (138~862 kPa) (pound per square inch) is required.

Under normal conditions, a 170 cc (5.75 oz.) paper cup can be filled in 10 seconds.

If the Refrigerator is installed in an area with low water pressure (below 20 psi), you can install a booster pump to compensate for the low pressure. Make sure the water storage tank inside the Refrigerator is properly filled.

To do this, press the water dispenser lever until the water runs from the water outlet.



Water line installation kits are available at extra cost from your dealer. We recommend using a water supply kit that contains copper tubing.



The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.



Check the served accessory in fridge.

BEFORE USING ICEMAKER

Remove

- Remove the Icemaker Bucket by lifting it up and pulling it out slowly.
- Grip the handle as shown in the figure.
- Remove the Ice Bucket slowly to prevent damage.

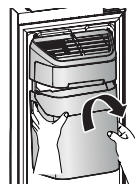


Figure 1



Do not use excessive force when removing the drawer cover. Otherwise, the cover may break and cause injury.



Before removing any accessories, make sure that no food is in the way. When possible, remove the food altogether to reduce the risk of accidents.

Install

- Assemble the icemaker in the reverse order of disassembly.
- Push the bucket in firmly until you hear a clicking sound.

Before calling service

- Any sounds you hear when the ice maker dumps ice into the bucket are part of normal operation.
- If you don't dispense ice for a long period of time, the ice may form clumps in the ice bucket. If ice clumps form, remove the remaining ice and empty the bucket.
- When ice does not come out, check for ice stuck in the chute and remove it.

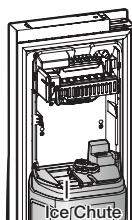


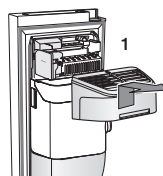
Figure 3



- When Ice Off blinks on the display panel, reinsert the bucket and/or make sure it's installed properly.
- When the door is open, the Ice and water dispenser do not work.
- If you close the door hard, it may cause water spilling over the ice maker.
- To prevent dropping the ice bucket, use both hands when removing it.
- To prevent injury, be sure to clean up any ice or water that may have dropped on the floor.
- Do not let the children hang on the ice dispenser or on the bucket. They may get hurt.
- Be sure not to put your hand or any object into the ice chute. It may cause personal injury or damage mechanical parts.

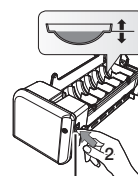
Check the amount of water supplied to the ice tray.

1. Lift up the icemaker cover and gently pull it out.
2. When you press the Test button for 3 seconds, the ice cube container is filled with water from the water supply tap. Check to make sure the amount of water is correct (see the illustration below). If the water level is too low, the ice cubes will be small. Check to make sure the water is inside of the Tank off.



Ice maker

Check the water level



Test button



- It will take a few minutes for the water to reach the correct level after you push the Test button.
- Do not press the test button continuously when the tray is filled with ice or water. Water may overflow or ice jamming may occur.
- When the bucket is not installed, the ice maker does not work.
- When Ice Off blinks on the display panel, reinsert the bucket and/or make sure it's installed properly.

USING WATER DISPENSER (OPTIONAL)

With the water dispenser, you can obtain chilled water easily without opening the refrigerator door.

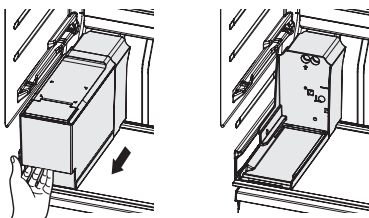


If you push continually the dispenser lever for about 1 minute, the dispenser will stop to work.

To get more water, push the lever again.

The dispenser is designed with an operating time of about 1 minute and a capacity of about 1 L at each use.

- Lift up and pull out the water tank.
- Hold the handgrips on both sides to lift out the water tank.
- Clean the inside of water tank before using it for the first time.
- After disassembling the water tank, wipe up the inside of refrigerator until it is clean and dry.



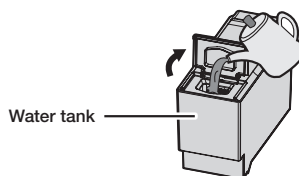
After putting back the water tank, do not disassemble the shelf below the water tank.

It may cause a personal injury or material damage.

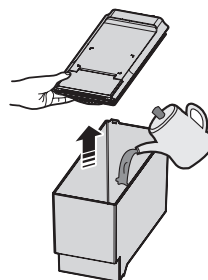


For more space, empty the water off the water tank, remove the lid completely, place the water tank back and use it to store food.

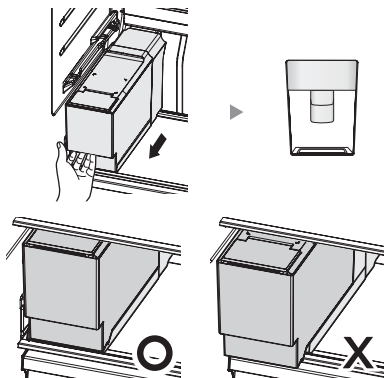
- Fill the water tank with water, ensuring that it is in a stable position, allowing for the extended water supply outlet.
- Fill the water up to the indicated level. If it is filled higher than this, it may overflow when the lid is closed.
- It is impossible to fill the tank with water while it is positioned in the refrigerator.
- Method 1.
- Fill the water lifting the round lid in the arrow direction to open.



- Method 2.
- Please fill the water after holding and lifting the large lid to open it.



- Close the refrigerator door after fitting the water tank.
- Confirm that the dispenser cock is outside after closing the door.



Fix water tank on the shelf inside the fridge.
If not, water tank may not be operate correctly.
Do not use the refrigerator without the water tank.
If not, it may cause an efficiency problem.
While fixing the water tank, be careful that your fingers will not be caught.



Only fill the tank with water (mineral water or purified water) and do not use any other liquid.



Be careful that the tank will not drop while you are moving the refrigerator because you may get hurt if the water tank is filled with water.



Do not disassemble the internal pump which is connected to the water tank.
Be careful to not damage the hose and nozzle of the water tank.
The dispenser can not be operated if it is disassembled or damaged.

- Place a glass underneath the water outlet and push gently against the dispenser lever with your glass.
Make sure the glass is in line with the dispenser to prevent the water from bouncing out.



When you do not use the water dispenser for 2~3 days (especially during the summer), the dispensed water may have a funny smell or taste.
If this occurs, we recommend that you discard the first 1~2 glasses for better tasting water.

- If you have just installed the Refrigerator, pour out the first six glassfuls of water to flush out impurities in the water supply system.
Make sure water flows cleanly before drinking.



Make sure that no water is in the water tank when you are going on a long vacation or business trip.



Please wait 1 second before removing the cup after dispensing water to prevent spills.
Please push the dispenser lever 1~10 seconds when you use it first time due to air with in the hose.

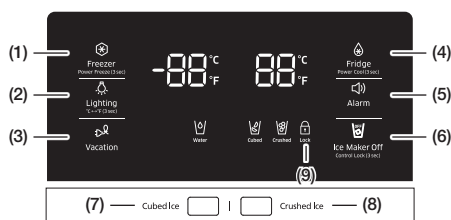


Select the "Ice Maker Off" function () while water tank is empty.

Operating your Samsung refrigerator

USING THE CONTROL PANEL

DISPENSER MODEL



(1) Freezer / Power Freeze (3 sec)

The Freezer button serves two purposes:

- To set the Freezer to your desired temperature.
- To turn the Power Freeze function on and off.

1. To set the Freezer temperature, touch the Freezer button.

You can set the temperature between 5 °F (-15 °C) and -8 °F (-23 °C).

2. Power Freeze function

Touch and hold this button for 3 seconds to decrease the time needed to freeze products in the Freezer.



It can be helpful if you need to quickly freeze easily spoiled items or if the temperature in the freezer has warmed dramatically.

(For example, if the door was left open.)

When you use this function, the energy consumption of the refrigerator will increase.

Remember to turn it off when you don't need it and return the freezer to your original temperature setting.

If you need to freeze a large amount of food, activate the Power Freeze function at least 20 hours before you put the food into the freezer.

(2) Lighting / °C↔°F (3 sec)

The Lighting button serves two purposes:

- To turn the dispenser light on and off
- To switch the temperature units between °C and °F.

1. Light Function

Touching the Lighting button turns on the Dispenser LED lamp in continuous mode so that it stays on continuously.

The button also lights up.


If you want the Dispenser lamp to come on only when some one uses the dispenser, touch the Lighting button to turn the continuous mode off.




2. To switch the temperature units between °C and °F.

Touch and hold this button for 3 seconds to select the temperature display you want. Each time you touch and hold the button, the °C and °F temperature modes alternate and the °C or °F icon lights up, indicating your selection.

(3) Vacation

 Vacation Function
If you are going on vacation or business trip or you do not need to use the refrigerator, touch the Vacation button. When you select vacation button for fridge compartment off, display LED of Vacation will be on.
It is strongly requested to remove foods in the fridge compartment and do not leave the door open when you select Vacation function.

(4) Fridge / Power Cool (3 sec)


 The Fridge button serves two purposes:

- To set the Fridge to your desired temperature.
- To turn the Power Cool function on and off.

1. To set the Fridge temperature, touch the Fridge button.
You can set the temperature between 44 °F (7 °C) and 34 °F (1 °C).

2. Power Cool function
Touch and hold this button for 3 seconds to decrease the time needed to cool products in the fridge.
It can be helpful if you need to quickly cool easily spoiled items or if the temperature in the fridge has warmed dramatically.
(For example, if the door was left open)

(5) Alarm

 Touching this button turns the door open alarm on and off.
If the door alarm is set to On, an alarm beeps if any refrigerator door is left open for more than two minutes.
The beeping stops when you close the door.
The door alarm function is pre-set to On in the factory.
You can turn it off by pressing and then releasing the Alarm button.
You can turn it back on in the same fashion.
The icon lights up when the function is on.
When the Door Alarm function is on and the alarm sound is triggered, the Door Alarm Icon will blink while the alarm sounds.

(6) Ice Maker Off / Control Lock(3 sec)

The Ice Maker Off button serves two purposes:

- To turn the Ice maker on and off
- To turn the Control Lock Function on and off.

1. Ice Maker Off Function

If you don't want to make more ice, touch the Ice Maker Off button.

2. Control Lock Function



Touch and hold this button for 3 seconds to lock the display and the dispenser buttons so the buttons cannot be used.

When Control Lock is on, the refrigerator does not dispense ice or water, even if the Dispenser Lever is touched.

The Control Lock icon lights up to indicate you've activated the Control Lock function. Touch and hold for 3 seconds to unlock.

If the ice maker function is ON, and the water line is not connected, there will be a water valve noise from the back of the unit. Touch the Ice Maker Off (Control Lock (3sec)) button for less than 3 seconds until the Ice Off Indicator () lights up.



Select the "Ice Maker Off" function () while water tank is empty.

To save electricity, the Panel Display turns off automatically under the following conditions: When no button has been touched, when no doors are open, or when no Dispenser Lever has been pushed.

However, the icon indicating your cubed or crushed ice selection, will stay on.

When you touch a button, open a door, or push a Dispenser Lever, the Panel Display will turn on again.

Except for the Water, and Cubed / Crushed Ice buttons, all function buttons will become operational after you remove your finger from the button you are currently touching.

(7) Cubed Ice

(8) Crushed Ice



Cubed



Crushed

Touch the Cubed Ice or Crushed Ice button to select the type of ice you want dispensed.

Each time you touch the button, the cubed and crushed ice modes alternate and the Cubed or Crushed ice icon lights up, indicating your selection.

If you don't need ice, turn the function off to save on water and energy consumption (See Ice Maker Off).

Water



Water

The indicator is supposed to turn on at all times as it indicates that the water can be dispensed properly.

(9) Control Lock



This icon lights up when you activate the Lock function.

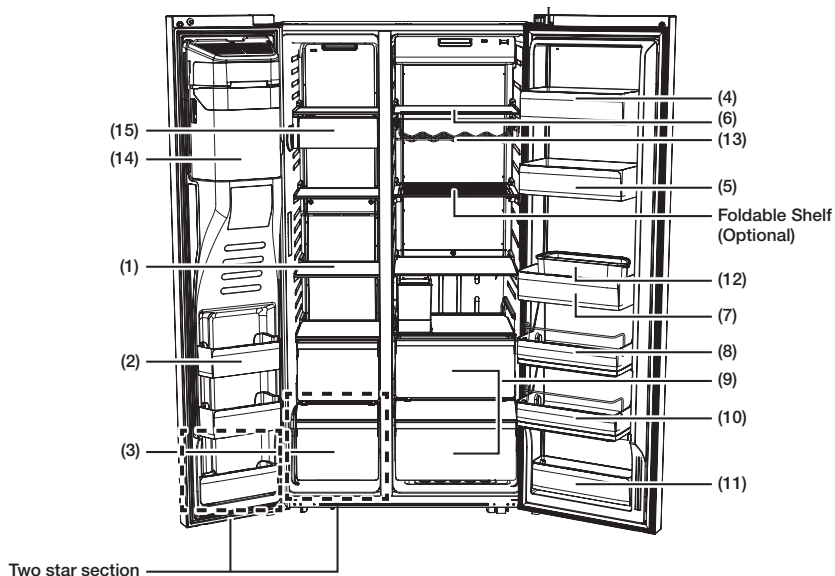
When the Control Lock icon is lit, all the panel buttons, including the Ice button and the dispenser levers, are locked and de-activated.

Touch and hold the Ice Maker Off/Control Lock button for 3 seconds to turn Control Lock off and re-activate the panel buttons.

PARTS AND FEATURES

Use this page to become more familiar with the parts and features of the Refrigerator.
(This image may different depends on the model.)

DISPENSER MODEL



The temperature of two star sections is slightly higher than other freezer compartment.

(1) Freezer Shelves

This is used for storing meat, fish, ice cream and other types of frozen food.

(2) Multipurpose Freezer Bin

Features tall freezer compartments for more efficient food storage.
However, do not use these compartments for items you intend to store for a long time.

(3) Dried Food and Meat Storage Drawer

This is used for long-term storage of dried food and meat.
Wrap the items in aluminum foil or kitchen wrap before storing them.

(4) Cheese Case

This is used for storing eggs, cheese, butter, and other types of dairy products.

(5) Sauce Case

Used for storing different types of sauces.

(6) Refrigerator Shelves

This is used for storing general types of food that require refrigeration.

(7) Drink Case

This is used for storing water, milk, juice, and other types of beverage.

(8) Snack Case Drawer Type (Optional)

This is used for storing salads and side dishes.

(9) Well-Being Vegetable Drawer

This is used for keeping fruit and vegetables fresh. The top bin is optional.

(10) Kid's Case Drawer Type (Optional)

Located at a height within easy reach of children.
Use for storing yogurt, snacks, and other items for kids.

(11) Multi Case

It is used for storing the dehydrated food such as dried noodle (spaghetti), beef jerky etc.

(12) Egg Container

Best place to keep eggs.
Place the egg tray on a shelf for easy access.

(13) Wine Rack (Optional)

Helps wine maintain its taste by providing an optimized place for storing your wine bottles.

(14) Ice Maker Bucket (Only dispenser model)

Designed to store lots of ice easily.



- Do not put your fingers, hands or any other objects in the ice chute or the ice maker bucket. Doing so can cause personal injury or material damage.

(15) Snack Bin (Optional)

This is used for storing small frozen food such as the ice cream.



- If you plan to go away for a significant time, empty the refrigerator and turn it off. Wipe the excess moisture from the inside of the appliance and leave the doors open. This helps keep odor and mold from developing.
- If the refrigerator is not to be used for a long period of time, pull out the power plug.
 - Deterioration in the power cord insulation may cause fire.
- Do not change the arrangement of shelves.
 - If you try to change the arrangement of shelves, you can damage to door.

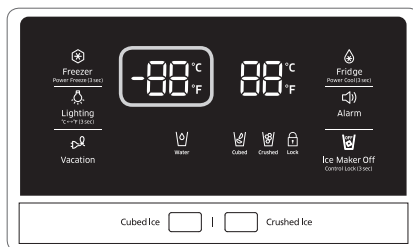
CONTROLLING THE TEMPERATURE

Basic temperature of Freezer and fridge Compartments

The basic and recommended temperatures of the Freezer and Fridge compartments are -2 °F and 37 °F (or -19 °C and 3 °C) respectively.

If the temperature of the Freezer or Fridge Compartments are too high or low, adjust the temperature manually.

Controlling the Freezer temperature



Recommend Temp (Freezer) : -2 °F (or -19 °C)

The Freezer temperature can be set between -8 °F and 5 °F (or between -23 °C and -15 °C) to suit your particular needs. Press the Freezer button repeatedly until the desired temperature is shown in the temperature display.

The temperature will change by 1 °F (or 1 °C) with each press. See below.

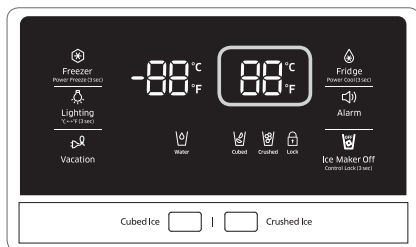
Fahrenheit : 0 °F → -1 °F → -2 °F → -3 °F → -4 °F → -5 °F → -6 °F → -7 °F → -8 °F → 5 °F → 4 °F → 3 °F → 2 °F → 1 °F → 0 °F.

Centigrade : -18 °C → -19 °C → -20 °C → -21 °C → -22 °C → -23 °C → -15 °C → -16 °C → -17 °C → -18 °C.

Keep in mind that foods such as ice cream may melt at 4 °F (or -15.5 °C).

The temperature display will move sequentially from -8 °F to 5 °F (or from -23 °C to -15 °C).

Controlling the Fridge temperature



Recommend Temp (Fridge) : 37 °F (or 3 °C)

The fridge temperature can be set between 34 °F and 44 °F (or between 1 °C and 7 °C) to suit your particular needs.

Press the Fridge button repeatedly until the desired temperature is shown in the temperature display.

The temperature will change by 1 °F (or 1 °C) with each press. See below.

Fahrenheit : 37 °F → 36 °F → 35 °F → 34 °F → 44 °F → 43 °F → 42 °F → 41 °F → 40 °F → 39 °F → 38 °F → 37 °F.

Centigrade : 3 °C → 2 °C → 1 °C → 7 °C → 6 °C → 5 °C → 4 °C → 3 °C.

The temperature control process for the Fridge works just like the Freezer process.

Touch the Fridge button to set your desired temperature.

After a few seconds, the Fridge will begin adjusting towards the newly set temperature.

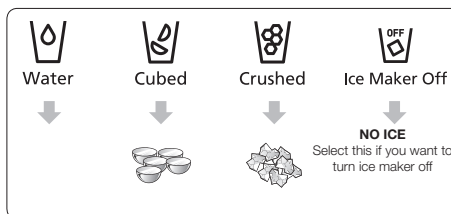
This will be reflected in the digital display.



- The temperature of the Freezer or Fridge may rise when you open the doors too frequently, or if a large amount of warm or hot food is placed inside.
- This may cause the digital display to blink. Once the Freezer and Fridge temperatures return to their normal set temperatures, the blinking will stop.
- If the blinking continues, you may need to “reset” the Refrigerator.
Try unplugging the appliance, wait for around 10 minutes, and then plug the power cord back in.

USING THE COLD WATER DISPENSER

Push the appropriate ice type button to select what you want dispensed.



Using the ice lever (1)

Push the Ice lever dispenser (1) gently with your glass.

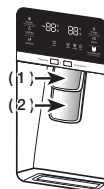
Ice will be released from the dispenser.

You can choose the type of ice by pushing the cubed or crushed button first.

Using the Water lever (2)

Push the Water lever dispenser (2) gently with your glass.

Water will be released from the dispenser.



Even if you push the water and Ice lever at about the same time, the dispenser operates only the option you actually selected or pushed first.



Please wait 1 second before removing the cup after dispensing water to prevent spills.
Do not pull out the lever dispenser after dispensing ice or water.
It comes back automatically.

Using the Ice & Water Dispenser together

To get ice and water, push the Ice lever (**1**) first for ice, then move your glass down and press the water dispenser lever (**2**) for water.



Please wait 2 seconds before removing the glass under the dispenser to prevent spills.

If the Refrigerator door opens, the Dispenser does not work.

- Do not pull the lever out. You could damage or break the lever's spring.
- To clean the ice bin/bucket, wash with a mild detergent, rinse well, and dry thoroughly it. Do not use harsh or abrasive cleaners or solvents.
- In case ice doesn't come out, pull out the ice bucket and press the test button located on the right side of ice maker.
- Do not press the test button continuously when the tray is filled with ice or water. Water may overflow or ice may jam the bucket.



- When you press the Test button, you will hear the refrigerator chime (ding-dong). When the chime sounds, release the Test button.
- The chime sounds automatically again to let you know the ice maker is working well.

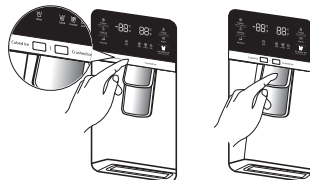


If a power failure occurs, ice cubes may melt then freeze together when the power comes back on, causing the dispenser to be out of order.

To prevent this problem, after a power failure, pull out the ice bucket and discard the residual ice or water.




After you dump the ice from the ice bucket, you should press the dispenser lever once with the 'ICE CUBED' or 'CRUSHED' function ON.



(This image may differ depending on the model.)

The ice maker will make new ice faster after you return the ice bucket to the refrigerator.



- Do not put your fingers, hands, or any unsuitable objects in the chute or ice-maker bucket.
 - This can cause personal injury or material damage.
 - Use only the ice maker provided with the refrigerator.
 - The water line to this refrigerator must be installed / connected by a suitably qualified person and must be connected to a potable water supply.
 - The ice maker requires water pressure of 20 - 125 psi (138-862 kPa) to operate properly.
-
- 
- If you are going on a long vacation or business trip and won't be using the water or ice dispensers for that period of time, close the water valve to prevent leaks.
 - If you have not used the Ice maker for a while, or you have opened the Freezer door frequently, the Ice may stick together. If this occurs, empty the ice bucket or break up the ice with a wood kitchen tool. Do not use sharp items such as knives or forks.
 - When you remove the ice bucket, there may still be some residual ice in the ice maker. The ice maker may eject this ice into the freezer.

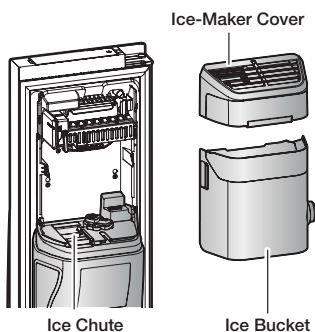
Using the ice Dispenser

Press the Ice button to select the type of ice you want.

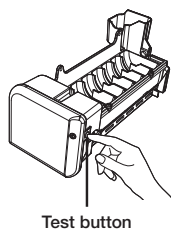
Place your cup under the ice outlet, and then push gently against the dispenser pad.

Make sure the glass is in line with the dispenser to prevent the ice from bouncing out.

If you select Cubed Ice after using the Crushed Ice feature, a small amount of residual crushed ice might be produced.



- If ice does not dispense, pull out the icemaker cover and press test button located on the ice maker.
- Do not press the test button continuously when the tray is filled with ice or water. Water may overflow or the ice may jam the icemaker or dispenser.



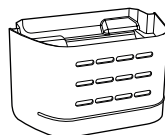
For more space, you can store food with Guard FRE-UPP instead of the ice bucket, and remove the COVER-ICE MAKER and Snack Bin.

If you remove the ice bucket, ICE OFF will blink on the display panel.

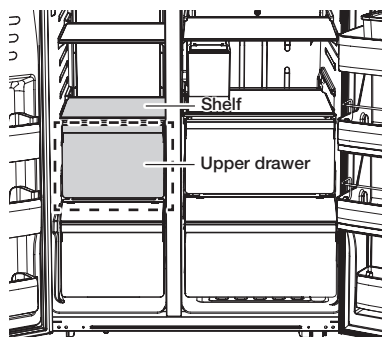
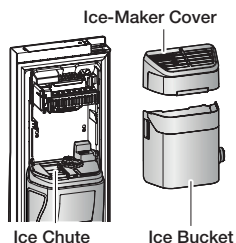
Furthermore, you can remove the freezer Upper drawer.

Since it does not affect thermal and mechanical characteristics.

A declared storage volume of frozen food storage compartment is calculated with "Guard FRE-UPP" positioned and "COVER-ICE MAKER", "Snack Bin", "Upper Drawer" removed.



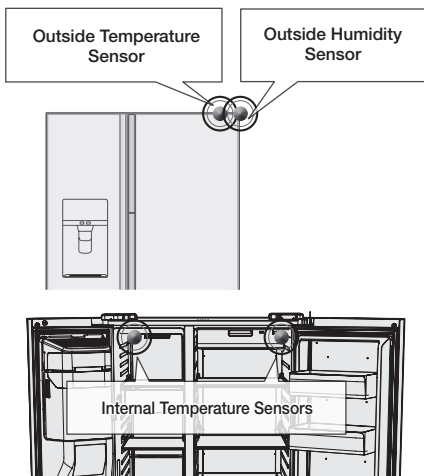
GUARD FRE (Freezer)-UPP (Optional)



SMART ECO FEATURES

Smart Eco System

Keep freshness of food using 4 sensors according to the operating environment, usage pattern and the refrigerator operating status while saving electricity costs.

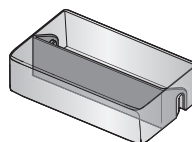


FRIDGE MULTI-PURPOSE DOOR BIN

A detachable divider makes it convenient to store food.

Food products can be stored by items.

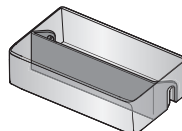
- Put the divider in place when storing slim-size condiment bottles and canned drinks together.



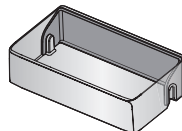
- Take out the divider when storing carton-size milks or drinks.

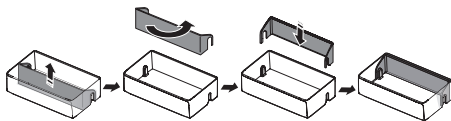
How to use the divider

1. Insert the divider as shown in the diagram to compartmentalize the case.



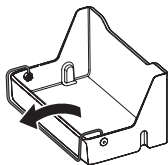
2. When not in use, simply flip it around and move it out of the way as shown in the diagram.



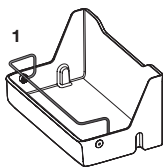


How to use the multi supporter

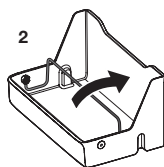
1. When not in use, leave the Multi Supporter flipped over as shown in the diagram.



2. Flip the Multi Supporter to position 1 to prevent items from falling out and over.

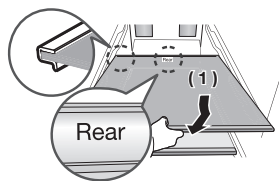


3. Flip the Multi Supporter to position 2 to use it as a divider.

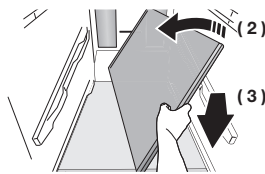


REMOVING THE REFRIGERATOR ACCESSORIES

1. Shelves (Freezer/Fridge)
 - Open the door completely and then lift up the shelf as you pull it out to remove it.



- If you are unable to open the door completely, pull out the shelf, lift it up, and turn it to remove it.

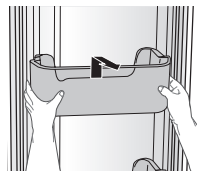


Be careful not to insert the shelf upside down.



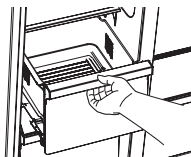
Glass containers can scratch the surface of the glass shelves.

2. Door Bin
 - Remove the Door Bin by holding the door bin with both hands and then gently lift it up.



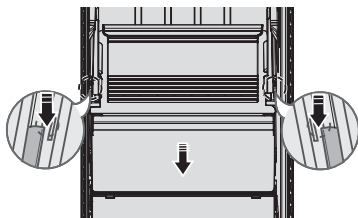
3. Drawer

- Remove the Drawer by pulling it out and lifting it up slightly.



4. Vegetable Bin/Dry Bin Cover

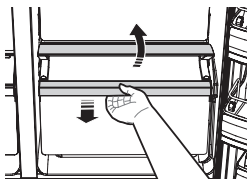
- Take out the bin above the Vegetable Bin (refrigerator)/Dry Bin (freezer).
- Press down on the clips on either side of the Vegetable Bin (refrigerator)/Dry Bin (freezer) and pull them out towards you to remove the bin.



(Optional)

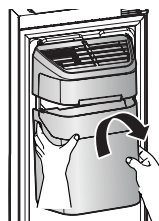
5. Vegetable Bin/Dry Bin

- Before taking out the Vegetable Bin/Dry Bin, you need to remove the multipurpose compartments from the door.
- Lift the bin up slightly as you pull it out.



6. Ice Bucket (Freezer)

- Remove the Ice Bucket by lifting it up and pulling it out slowly.
- Grip the handle as shown in the figure.
- Remove the Ice Bucket slowly to prevent damage.



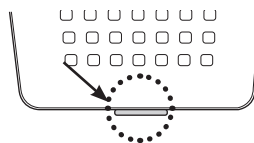
Do not use excessive force when removing the drawer cover.
You can break the cover and cause injury.



Before removing any accessories, make sure that no food is in the way.
When possible, remove the food altogether to reduce the risk of accidents.

7. Removing the Deodorizer

- Pull out the shelf slightly and then pull out the unit while pushing the deodorizer cover clip up using a flathead screwdriver.



8. Cleaning the Deodorizer

- Clean the deodorizer once every two years or whenever you feel its performance has diminished.
- Dry the deodorizer under the sun for 24 hours and then replace it in the reverse order of its removal.

CLEANING THE REFRIGERATOR



- Do not use benzene, thinner, Clorox, or car detergent to clean the refrigerator. They can damage the surface of the appliance and may cause a fire.
- Do not spray the refrigerator with water while it is plugged in. This can cause an electric shock. To clean the refrigerator, follow these steps:

1. Unplug the power cord of the refrigerator.
2. Slightly dampen a soft lint-free cloth or paper towel with water.



Do not use any kind of detergent to clean the refrigerator because that can discolour or damage the refrigerator.

3. Wipe the inside and outside of refrigerator until it is clean and dry.
4. Plug the power cord of the refrigerator back in.

CHANGING THE INTERIOR LIGHTS

Freezer / Fridge LED Lamp

- If the LED Lamp Cover is stained with foreign substances, the LED lamp may not look bright. Wipe the surface cover with clean dry cloth to return the light to full brightness.



Do not disassemble or replace the LED lighting yourself.

To replace the LED lights, contact a Samsung service centre or your authorized Samsung dealer.

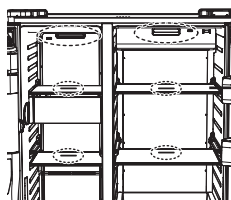


If you attempt to replace the LED lamps yourself, you risk subjecting yourself to an electric shock or serious personal injury.

TO IMPROVE THE COOLING PERFORMANCE



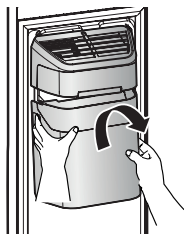
If the cold air outlet is blocked by food items, the cold air cannot penetrate the entire compartment and will be unable to freeze the food efficiently which results in a degraded cooling performance.



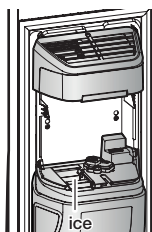
Cold air outlet

USING THE ICE MAKER (OPTIONAL)

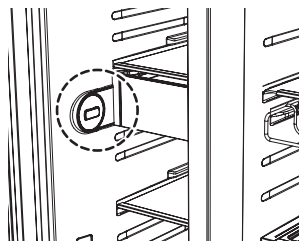
- To Remove the Ice Bucket.
 - Hold the handle as shown in figure 1.
 - Lift up and pull the Bucket out slowly.
 - Take out Ice Bucket out slowly to prevent damage.
 - When you reinstall the ice bucket, press and hold the ICE button for 6 seconds.



- Normal Operation
 - Any sounds you hear when the ice maker dumps ice into the bucket are part of normal operation.
 - Ice may clump in the bucket if you do not dispense ice for long periods of time. If this occurs, remove all the ice and empty the bucket.
 - If ice does not come out, check for any ice stuck in the chute and remove it.
 - The first batch of ice cubes after installation may be small because air has entered the water line. Any air will be purged during normal use.



- When ICE OFF blinks on the display panel, reinsert the ice bucket and/or make sure it's installed properly.
- When the door is open, the Ice and water dispenser do not work.
- If you close the door hard, it may cause water to spill over the ice maker.
- To prevent the ice bucket from dropping, use both hands when removing it.
- To prevent injury, be sure to clean up any ice or water that may have dropped on the floor.
- Do not let the children hang on the ice dispenser or on the bucket. They may get hurt.
- Be sure not to put your hand or any object into the ice chute. It may cause personal injury or damage mechanical parts.
- Use care when storing food in plastic bags in the freezer. Incorrectly stored bags can get caught in the ice bucket's Auger Motor and prevent the refrigerator from dispensing ice or cause the freezer door to open unexpectedly.



Troubleshooting

PROBLEM	SOLUTION
The refrigerator does not work at all or it does not chill sufficiently.	<ul style="list-style-type: none"> • Check that the power plug is properly connected. • Is the temperature control on the display panel set to the correct temperature? Try setting it to a lower temperature. • Is the refrigerator in direct sunlight or located too near a heat source? If so, it may not be able to cool sufficiently. Install it in a location that is out of direct sunlight and not near a heat source. • Is the back of the refrigerator too close to the wall, preventing proper ventilation? If so, it may not be able to cool sufficiently. Keep it an appropriate distance from the wall. • Is there too much food inside so that the food is blocking the outlet vent? To keep the refrigerator at a suitable temperature, do not fill the refrigerator with too much food.
The food in the fridge is frozen.	<ul style="list-style-type: none"> • Is the temperature control on the display panel set to the correct temperature? Try setting it to a warmer temperature. • Is the temperature in the room very low? • Did you store the food with a high water content in the coldest part of the fridge?
You hear unusual noise or sounds.	<ul style="list-style-type: none"> • Check that the refrigerator is level and stable. • Is the back of the refrigerator too close to the wall and therefore keeping air from circulating? • Was anything dropped behind or under the refrigerator? • If you hear a "ticking" sound from inside the refrigerator, this is normal. It occurs because various parts contract or expand in response to temperature changes in the refrigerator interior.
The front corners of the appliance are hot and condensation is occurring.	<ul style="list-style-type: none"> • Some heat is normal as anti-condensators are installed in the front corners of the refrigerator to prevent condensation. • Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time. • Water condensation in a drawer may occur if the drawer contains vegetables. The condensation will dissipate naturally as time passes.
Ice is not dispensing.	<ul style="list-style-type: none"> • Did you wait for 12 hours after installation of the water supply line before making ice? It may take longer to make ice if it is not sufficiently cool, such as when first installed. • Check to make sure the water is inside of the Tank off. • Did you manually stop the ice making function? Make sure Ice is set to Cubed or Crushed. • Are there any ice clumps in the ice maker bucket? Remove them. • Is the freezer temperature too warm? Try setting the freezer temperature lower.

PROBLEM	SOLUTION
You can hear water bubbling in the refrigerator.	<ul style="list-style-type: none"> This is normal. The bubbling comes from the refrigerant coolant liquid circulating through the refrigerator.
There is a bad smell in the refrigerator.	<ul style="list-style-type: none"> Has a food item spoiled? Make sure that strong smelling food (for example, fish) is wrapped so that it is airtight. Clean out your freezer periodically and throw away any spoiled food. When cleaning the inside of the fridge, store food elsewhere and unplug the appliance. Wipe with a dry dishcloth after 2-3 hours and then circulate air inside the refrigerator.
Frost forms on the walls of the freezer.	<ul style="list-style-type: none"> Is the air vent blocked? Remove any obstructions so air can circulate freely. Allow sufficient space between the foods stored for efficient air circulation. Is the freezer drawer closed properly? If the freezer drawer is not completely closed or is blocked, humidity from outside may enter and cause severe frost to form.
The water dispenser is not functioning.	<ul style="list-style-type: none"> Check to make sure the water is inside of the Tank off. Is the water tank frozen because the refrigerator temperature is too low? Try selecting a warmer setting on the main display panel. Check if the filter is properly installed. If it is not properly installed, the water dispenser may not work.
What can be done when freezer door is not closed well.	<ul style="list-style-type: none"> Push lever dispenser and check water supply. Push lever dispenser (Ice mode) and check operation of auger motor. Remove objects on shelves that might obstruct drive auger. <p>Precautions : If you have not dispensed the water or ice for an extended time, the ice bucket may accumulate ice chunk that interferes with the drive auger, causing the inability to dispense. Remove the remaining ice of bucket and object that might obstruct drive Auger. Please operate dispenser (water & ice) and it will improve auto-closing of freezer door.</p>

Memo

Ambient Room Temperature Limits


This refrigerator is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range (°C)	
		IEC 62552 (ISO 15502)	ISO 8561
Extended Temperate	SN	+10 to +32	+10 to +32
Temperate	N	+16 to +32	+16 to +32
Subtropical	ST	+16 to +38	+18 to +38
Tropical	T	+16 to +43	+18 to +43



Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

English



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For more information on safe disposal and recycling, visit our web site www.samsung.com or contact our Helpline numbers on below contact SAMSUNG WORLD WIDE.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

COUNTRY	CALL	Web site
AUSTRIA	0800 - SAMSUNG (0800 - 7267864)	www.samsung.com/at/support
COLOMBIA	Bogotá 600 12 72 Gratis desde cualquier parte del país 01 8000 112 112 ó desde su celular #SAM(726)	www.samsung.com/co/support
EIRE	0818 717100	www.samsung.com/ie/support
HONG KONG	(852) 3698-4698	www.samsung.com/hk/support (Chinese) www.samsung.com/hk_en/support (English)
INDIA	1800 3000 8282 - Toll Free 1800 266 8282 - Toll Free	www.samsung.com/in/support
MALAYSIA	1800-88-9999 603-77137477 (Overseas contact)	www.samsung.com/my/support
NEW ZEALAND	0800 726 786	www.samsung.com/nz/support
PANAMA	800-7267 800-0101	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English)
PHILIPPINES	1-800-10-7267864 [PLDT] 1-800-8-7267864 [Globe landline and Mobile] 02-4222111 [Other landline]	www.samsung.com/ph/support
SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com/sg/support
SOUTH AFRICA	0860 SAMSUNG (726 7864)	www.samsung.com/support
UK	0330 SAMSUNG (7267864)	www.samsung.com/uk/support



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